

Appl. No **09/834,833**  
AMENDMENT DATED March 13, 2006

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

### **Listing of Claims**

Claim 1 (currently amended): A method of copying a plurality of items implemented in a computer, the method comprising:

if an item is a directory, spawning a new process; and

if the item is a file, copying the file;

wherein a current process in the computer performs the spawning or the copying;

wherein the new process, if spawned, executes simultaneously or contemporaneously with ~~[[a]] the current process that performs said spawning,~~ and the new process performs ~~[[the act of]] the spawning or the copying~~ with another item in the directory; and

wherein the current process ~~repeats the act of~~ performs the spawning or the copying with yet another item.

Claims 2-3 (canceled).

Claim 4 (previously presented): The method of claim 1 further comprising, prior to the spawning:

comparing a current number of processes, started for copying, with a limit; and

waiting if the current number is greater than or equal to the limit.

Claim 5 (withdrawn): A method of copying items implemented in a computer, the method comprising:

creating a process if an item to be copied is a directory; and

copying the item if the item is a file, and prior to the copying:

increasing a limit on a resource; and

using the resource at the increased limit during copying.

SILICON VALLEY  
PATENT GROUP LLP  
2350 Mission College Blvd  
Suite 360  
Santa Clara, CA 95054  
(408) 982-8200  
FAX (408) 982-8210

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Claim 6 (withdrawn): The method of claim 5 wherein: the resource is number of open files.

Claim 7 (withdrawn): The method of claim 5 wherein: the resource is file size.

Claim 8 (withdrawn): The method of claim 5 wherein: the resource is memory.

Claim 9 (withdrawn): The method of claim 8 wherein: the memory is organized as a stack.

Claim 10 (withdrawn): The method of claim 8 wherein: the memory is organized as a heap.

Claim 11 (original): The method of claim 1 wherein the copying comprises: transferring data from the file into a temporary buffer; locking the temporary buffer; and invoking a direct memory access (DMA) process for making a copy from the temporary buffer.

Claim 12 (withdrawn): A method of copying items implemented in a computer, the method comprising:

creating a process if an item to be copied is a directory; and

copying the item if the item is a file;

wherein prior to the copying: checking if the item is a link to itself, and performing said copying only if the item is not a link to itself.

Claim 13 (withdrawn): The method of claim 12 wherein: the checking includes a string comparison operation.

Claim 14 (withdrawn): A method of copying items implemented in a computer, the method comprising:

creating a process if an item to be copied is a directory; and

copying the item if the item is a file;

wherein during the copying: sending an email message if a resource at a destination is full;

wherein the email message is sent to an email address of a user that started the method.

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Claim 15 (withdrawn): The method of claim 14 further comprising, during the copying: waiting to be restarted subsequent to sending the email message.

Claim 16 (withdrawn): The method of claim 15 wherein said waiting comprises: sending a signal to self to suspend execution.

Claim 17 (withdrawn): The method of claim 15 further comprising, during the copying: recopying said file from beginning, on being restarted.

Claim 18 (withdrawn): The method of claim 14 wherein:  
the email address is identified from a password file based on an identity of said user.

Claim 19 (previously presented): The method of claim 1 wherein:  
said spawning is performed only if said directory is not a current directory and not a parent directory.

Claims 20-28 (canceled).

Claim 29 (currently amended): An apparatus for copying items in storage media, the apparatus comprising:

means for spawning a process if an item to be copied is a directory; and  
means for copying the item if the item is a file;  
wherein each item is input to at least one of said means for spawning and said means for copying.

Claim 30 (previously presented): The apparatus of claim 29 further comprising:  
means for sending an email message if the means for copying encounters an error.

Claim 31 (original): The apparatus of claim 29 further comprising:

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means for increasing a limit on a resource to maximum.

Claim 32 (original): The apparatus of claim 29 wherein said means for copying comprises:  
means for using a temporary buffer; and means for using direct memory access (DMA).

Claim 33 (original): The apparatus of claim 29 further comprising:  
means for checking if the item is a link to itself.

Claim 34 (previously presented): The method of Claim 1 wherein:  
the process is started with an instruction to perform said method for each item in the  
directory.

Claim 35 (previously presented): The method of Claim 1 wherein:  
said process executes in parallel with any new process spawned by said repeating.

Claim 36 (previously presented): The method of Claim 1 wherein:  
the number of processes created by spawning corresponds to the number of  
directories to be copied.

Claim 37 (previously presented): The method of Claim 1 wherein:  
the item is from a list of items to be copied; and  
said another item and said yet another item are also from said list.

Claim 38 (previously presented): The method of Claim 1 further comprising:  
checking if the file is in a list of items to be excluded from copying; and  
performing said copying only if the file is not in said list.

Claim 39 (previously presented): The method of Claim 1 wherein:  
the file is copied to multiple destinations if specified by the user.

Claims 40-42 (canceled).

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PATENT GROUP LLP  
2350 Mission College Blvd  
Suite 300  
Santa Clara, CA 95054  
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FAX (408) 982-8210

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Claim 43 (currently amended): A computer readable storage medium encoded with software, the software comprising instructions to archive an item in a computer by:

- spawning a new process, if the item is a directory; and
- copying the item, if the item is a file;
- wherein a current process performs the spawning or the copying; and
- wherein the new process if spawned executes simultaneously or contemporaneously with [[a]] the current process that performs said spawning.

Claim 44 (previously presented): A method of copying items implemented in a computer, the method comprising:

- creating a process if an item to be copied is a directory; and
- copying the item if the item is a file;
- wherein at least one of said creating and said copying is performed for each item.

Claim 45 (new): The method of Claim 44 wherein:

- the process calls a function to recursively spawn a plurality of child processes; and
- on return from the function, the process waits for all child processes to finish.

SILICON VALLEY  
PATENT GROUP LLP

2350 Mission College Blvd  
Suite 300  
Santa Clara, CA 95054  
(408) 552-8200  
FAX (408) 982-8210